CHURCHILL C&H ALLOTMENT

MANAGEMENT PLAN

KETTLE FALLS RANGER DISTRICT
COLVILLE NATIONAL FOREST

PLAN PREPARED BY: Allen N. Garr DATE: 9/19/85
Allen N. Garr
Resource Assistant

PLAN REVIEWED BY: Kelley M Riston DATE: 9/19/85
Range Conservationist

PLAN REVIEWED WITH: Steve Shuck DATE: 9/23/85
Permittee

PLAN RECOMMENDED BY: Miguel D. Kimbell DATE: 9/19/85
District Ranger

PLAN REVIEWED BY: Gary Olmsen DATE: 9/25/85
Range, Wildlife, Soils & Watershed
Staff

PLAN APPROVED BY: William L Stark DATE: 9-26-85
Forest Supervisor

I. OBJECTIVES

The following management objectives have been identified for the Churchill C&H Allotment.

A. Maintain vegetative condition and trend in all areas rated as excellent. In other areas, improve trend at least one condition class.

B. Maintain or improve soil condition and trend.

C. Provide direction and coordination for the protection of tree plantations.

D. Attain a more uniform distribution of livestock use, particularly in the Mineral Mountain road area.

E. Achieve proper salt distribution.

II. ACTION

The following describes the management program necessary to meet the requirements as described in the objectives:

A. Permitted Use and Grazing Capacity

131 cows with calves (524 animal months or AM's) will graze the Churchill C&H Allotment from approximately 6/1 to approximately 9/30 each year. The season of use may vary, depending on the vegetative condition but AM's will remain constant.

Grazing Capacity
(based on 1979 range analysis)
912 AM's

Permitted Use
524 AM's

B. Management System

The present management system on the Churchill C&H Allotment is DEFERRED ROTATION GRAZING. This system combines the advantages of periodic deferment and complete rest from grazing of forage species. Because the present system of management is working effectively, a new system will not be implemented on the Churchill C&H Allotment. The following is a brief description of the present system:

1. The Churchill C&H Allotment is composed of two pastures, the Churchill pasture on the north half of the allotment and the Lamar Lake pasture on the south half of the allotment.

2. All 131 head are turned into the one pasture approximately June 1 of each year. About August 1, the livestock are moved to the other pasture. The processed is repeated the following year by turning out in the last pasture used the previous year.

3. The plan of use will be as follows.

   a. 6/1/86 - 7/31/86, 131 head in Churchill pasture. even years
      8/1/86 - 9/30/86, 131 head in Lamar Lake pasture.

   b. 6/1/87 - 7/31/87, 131 head in Lamar Lake pasture. odd years
      8/1/87 - 9/30/87, 131 head in Churchill pasture.

   c. REPEAT CYCLE

4. Proper use

   a. Use shall not exceed 50%, by weight on all species except Kentucky bluegrass. Proper use shall not exceed 60% by weight on Kentucky bluegrass.

C. Livestock Management

1. Salting - Salt will be placed on rocks, or logs to avoid damage to vegetation and soil. Permanent salt grounds will not be used. Salt will not be placed within 1/4 mile of any stream, water source, maintained road or tree plantation with trees less than 5 feet tall. Salt should be used as a tool to get uniform livestock use throughout the allotment. Moving salt prior to achieving proper use will help assure that overuse does not occur.

2. Tree Plantations - livestock will be kept away from tree plantations which have been indentified in the Annual Grazing Instructions. Following the salting instructions will help avoid damage to plantations.

D. Range Improvements

1. Proposed Range Improvements - Proposed structural range improvements identified at this time are a spring development in the NE1/4, SE 1/4, section 34, T40N. R37E. This improvement is planned to be completed in 1986.

2. Diffuse Knapweed is a problem on some roads in the Allotment, particularily along the Deep Creek road. As funds become available, and administrative restrictions are lifted, these areas will be treated. Houndstongue was noted on the Deep Creek Road in 1985 and will be treated by hand by permittee and Forest Service personnel in 1986.

3. Existing Range Improvements - See allotment map and enclosed form (R6-2200-107) for existing range improvements.

4. Maintenance Program - Maintenance of range improvements is the responsibility of the permittee. The Forest Service will cooperate in the reconstruction of improvements when normal maintenance will no longer keep the improvements functioning, or if an improvement is destroyed as a result of a natural disaster. In cases where the permittee has failed to maintain an improvement and the improvement no longer funtions as it was intended to, the permittee may be required to reconstruct the improvement at his/her own expense.

III. MONITORING

A. Range Readiness

Livestock will not be turned onto the allotment until the range is ready for use, from the soils and vegetative resource standpoint. Criteria for range readiness is as follows:

Bluebunch Wheatgrass - leaf length 6"
Pinegrass - leaf length 4"
Kentucky Bluegrass - boot stage

2. Soils

Soils should be dry and firm enough to withstand compaction from trampling. Wet meadows, unless lightly stocked, should be dry enough to carry stock without breaking the sod and destroying the cover.

B. Production/Utilization

Production/Utilization surveys will be completed as needed to verify carrying capacity estimates, and will be geared to reflect use on the shrub component of the vegetation. Production and utilization estimates should be made on actual sheep forage species. Trailing and trampling intensity should also be monitored.

C. Inspections

Allotment inspections will be completed annually or as scheduling will permit.

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RANGE IMPROVEMENT INVENTORY

Churchill ALLOTMENT Kettle Falls Dist-Colville National Forest
(Existing)

Imp. No.	Name & Kind of Project	Location	Units	Year & Kind of Construction	Condition	Maintenance	Ownership
1	Fisher Corrals	NE¼ NE¼ Sec 33 T39N R37E	1	3" plank, 4 strand barbed wire & hay wire		Permittee	USFS
2	Jenny Spring	SE¼ NE¼ Sec 11 T39N R37E	1	450 gallon metal		Permittee	USFS
3	Billygoat Spring	NW¼ SW¼ Sec 12 T40N R37E					
4	Pierre Cattleguard Pierre Wire Fence	NE¼ Sec 32 T40N R37E	1CG .75 Miles	Metal 7½' X 14' Barbed wire, 4 Str Allotment Boundry		USFS Permittee	USFS USFS
5	Swanson Cattleguard Swanson Wing Fence	NW¼ Sec 34 T40N R37E	1CG .5 Miles Fence	Metal 7½' X 14' Barbed wire, 4 Str. Interior Boundary		USFS	USFS
6	Cumins Spring	NE¼ Sec 19 T40N R38E	1			Permittee	USFS
7	Fisher Cattleguard Fisher Wing Fence	SW¼ Sec 34 T40N R37E	1CG .25 Miles Wing Fence	Metal 7½' X 14' Barbed wire, 4 Str Interior Boundary		USFS Permittee	USFS USFS

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RANGE IMPROVEMENT INVENTORY

Churchill ALLOTMENT Kettle Falls Dist-Colville National Forest

(Existing)

Imp. No.	Name & Kind of Project	Location	Units	Year & Kind of Construction	Condition	Maintenance	Ownership
8	Limestone Spring	NW¼ Sec 27 T40N R37E	1	250 Gal. Metal		Permittee	USFS
9	Contention Ctlgrd. Wing Fence	NW¼ Sec 23 T40N R37E	1CG .25 Miles Fence	Metal 7½' X 14' Barb Wire, 4 Str. Allotment Boundary		USFS Permittee	USFS USFS
10	Lost Spring	SW¼ Sec 1 T39N R37E	1	.		Permittee	USFS
11	Fifteen mile Creek Fence	SW¼ Sec 12 T39N R37E	.5 Mile	Barb Wire, 4 Str. Allotment Boundary		Permittee	USFS
12	Mineral MountainCG Mineral Mtn. Fence	SW¼ Sec 7 T39N R38E	1CG .25 Mile Fence	Metal 7½' X 14' Barb Wire, 4 Str. Allotment Boundary		USFS Permittee	USFS USFS
13	So. White Horse Fence	SE¼ Sec 19 T40N R38E	.25 Mile Fence	Barb Wire, 4 Str. Allotment Boundary		Permittee	USFS

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RANGE IMPROVEMENT INVENTORY

Churchill ALLOTMENT Colville National Forest
(Planned) Kettle Falls Ranger District

Imp. No.	Name & Kind of Project	Location	Units	Year & Kind of Construction	Condition	Maintenance	Ownership
14	East Pasture Fence	SW¼ & SE¼ Sec.35 T40N R37E NE¼ Sec. 2 T39N R37E NW¼ Sec. 1 T39N R37E	1.25 Mi.	3 strand barbed wire, interior		Permittee	USFS
15	North Lamar Spring	NE¼ Sec. 4 T39N R37E	1	250 gallon metal trough		Permittee	USFS

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